



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

) Attorney Docket No.: **STURK0007**

Hanns-Wolf BAENKLER et al

) Confirmation No. 7997

Serial No.: 10/727,568

)

Filed: December 5, 2003

) Group Art Unit: 1743

For: **DIAGNOSTIC METHOD BASED ON**  
**LIPID MEASURING PARAMETER**  
**MODULATIONS/EFFECTOR**  
**QUOTIENT PROFILES**

) Examiner: Unassigned

)

) Date: October 12, 2004

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**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. §1.56, this Information Disclosure Statement in connection with the above-identified application is being filed in accordance with 37 C.F.R. §1.97(b):

- within three months of the filing date of this application (not a C.P.A.);
- within three months of the date of entry of the National Stage;
- before the mailing date of a first Office Action on the merits; or
- before the mailing of a first Office Action on the merits of, after the filing of a Request for Continued Examination (RCE) under §1.114.

A copy of each document listed on the attached Forms PTO/SB/08A and PTO/SB/08B is attached.

Attorney Dkt. No. STURK0007  
Serial No. 10/727,568

Attached is a copy of the International Search Report issued in the corresponding PCT application. Since all of the documents cited herein were cited in said International Search Report or in the specification of the subject application, it is believed that the relevancy of each document cited is clear from the Search Report and specification. Accordingly, no further comment with regard to the disclosures of these documents is believed to be required.

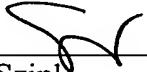
It is respectfully requested that the attached documents be considered and officially cited, and that a copy of Forms PTO/SB/08A and PTO/SB/08B, be initialed by the Examiner and returned to the undersigned to indicate that the documents have been considered.

It is believed that the present Information Disclosure Statement complies with the requirements of 37 C.F.R. §§ 1.97-8, but should the filing of this paper necessitate a fee, the Director is hereby authorized to charge the necessary fee to Deposit Account No.

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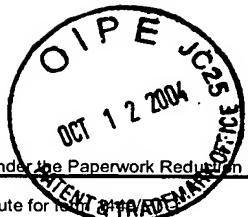
Respectfully submitted,

*GRiffin & Szipl, PC*

  
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Joerg-Uwe Szipl  
Registration No. 31,799

GRiffin & Szipl, PC  
Suite PH-1  
2300 Ninth Street, South  
Arlington, VA 22204

Telephone: (703) 979-5700  
Facsimile: (703) 979-7429  
E-mail: [g&s@szipl.com](mailto:g&s@szipl.com)  
Customer No.: 24203



<p>Substitute for form 1476, TRADEMARKS</p> <p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></p> <p><i>(Use as many sheets as necessary)</i></p>				<b>Complete if Known</b>			
				Application Number		10/727,568	
				Filing Date		December 5, 2003	
				First Named Inventor		Hanns-Wolf BAENKLER et al	
				Art Unit		Unknown	
				Examiner Name			
				Unknown			
Sheet	1	of	5	Attorney Docket Number	STURK0007		

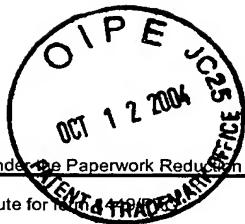
<b>NON PATENT LITERATURE DOCUMENTS</b>				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
	A	D. Schafer et al, "Effect of Prostaglandin E2 on Eicosanoid Release by Human Bronchial Biopsy Specimens From Normal and Inflamed Mucosa", Thorax, BMJ Publishing Group, GB, Vol. 51, No. 9, September 1996, pps. 919-923.		
	B	P. Mohammadian et al, "A reversible inflammation model in man", Naunyn-Schmiedeberg's Archives of Pharmacology, Vol. 353, No. 4. Suppl, 1996, p. r150.		
	C	H.W. Baenkler et al, "Eicosanoids From Biopsy of Normal and Polypous Nasal Mucosa", Rhinology, Leiden, NL, Vol. 34, No. 3, 1996, pps. 166-170.		
	D	D.Schafer et al, "Dynamics of Eicosanoids in Peripheral Blood Cells During Bronchial Provocation in Aspirin-Intolerant Asthmatics", European Respiratory Journal, Munksgaard International Publishers, Copenhagen, DK, Vol. 13, No. 3, March 1999, pps. 638-646.		
	E	P.T. Bozza et al, "Mechanisms of Formation and Function of Eosinophil Lipid Bodies: Inducible Intracellular Sites Involved in Arachidonic Acid Metabolism", Memorias Do Instituto Oswaldo Cruz, Rio De Janeiro, Br, Vol. 92, No. Suppl 2, 1997, pps. 135-140.		
	F	C. Pompeia et al, "Fatty Acids and the Immune System", Revista Brasileira De Ciencias Farmaceuticas - Brazilian Journal of Pharmaceutical Sciences, Faculdade de Ciencias Farmaceuticas, Sao Paulo, BR, Vol. 35, No. 2, 1999, pps. 165-194.		
	G	V.G.S. Hirschberg, "Mitteilung über einen Fall von Nebenwirkung des Aspirin", Dt Med Wochenschr 1902; Vol. 23, pp. 416.		
	H	U.S. von Euler, "Über die spezifische blutdrucksenkende Substanz des menschlichen Prostata-und Samenblasensekretes", Klin Wschr 1935;14:1182-1185.		
	I	Donald J. Hanahan, "Platelet Activating Factor: A Biologically Active Phosphoglyceride", Ann Rev Biochem, 1986;55: pps. 483-509.		
	J	Mats Hamberg et al, "Thromboxanes: A new group of biologically active compounds derived from prostaglandin endoperoxides", Proc. Nat. Acad. Sci. USA 72 (1975) pps. 2994-2998.		

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.  
 This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:  
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## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

*(Use as many sheets as necessary)*

Sheet 2 of 5 Attorney Docket Number STURK0007

Sheet

2

of

5

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	K	J.R. Vane, "Inhibition of Prostaglandin Synthesis as a Mechanism of Action for Aspirin-like Drugs", Nature New Biology, Vol. 231, June 23, 1971, pps. 232-235.	
	L	Sune Bergstrom, "Prostaglandins: Members of a New Hormonal System", Science, Vol. 157, 1967, pps. 382-391.	
	M	Bengt Samuelsson, "Some Recent Advances in Leukotriene Research", Adv Exp Med Biol 1997; 433, pps. 1-7.	
	N	Bengt Samuelsson et al, "Leukotrienes and Lipoxins: Structures, Biosynthesis, and Biological Effects", Science, Vol. 237, 4 September 1987, pps. 1171-1175.	
	O	Michael J. Holtzman, "Arachidonic Acid Metabolism", Am Rev Respir Dis 1991, Vol. 143, pps. 188-203.	
	P	William L. Smith, "The eicosanoids and their biochemical mechanisms of action", Biochem. J., 1989, Vol. 259, pps. 315-324.	
	Q	Armel Fradin et al, "Platelet-Activating Factor and Leukotriene Biosynthesis in Whole Blood - A Model for the Study of Transcellular Arachidonate Metabolism", The Journal of Immunology, Vol. 143, No. 11, December 1, 1989, pps. 3680-3685.	
	R	D. L. Smith et al, "A Suggested Shorthand Nomenclature for the Eicosanoids", LIPIDS, Vol. 22, No. 12, 1987, pps. 983-986.	
	S	E.J. Corey et al, "Recent Studies on the Chemical Synthesis of Eicosanoids", Adv Prostaglandin Thromboxane Res 1980, Vol. 6, pps. 19-25.	
	T	A. L. Willis et al, "Metabolism of Arachidonic Acid: An Overview", The Handbook of Immunopharmacology, Lipid Mediators, Ed.: Cunningham F.M., Academic Press, London, 1994, pps. 1-32.	

Examiner  
Signature

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Considered

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Substitute for form 1449/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>				Application Number	10/727,568
Sheet	3	of	5	Filing Date	December 5, 2003
				First Named Inventor	Hanns-Wolf BAENKLER et al
				Art Unit	Unknown
				Examiner Name	Unknown
				Attorney Docket Number	STURK0007

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	U	T. F. Slater et al, "Introduction to the eicosanoids", Prostaglandins and related substances, eds.: Benedetto C, McDonald-Gibson RG, Nigam S, Slater TF, IRL Press, Oxford, 1987, pps. 1-4.		
	V	David W. Stanley-Samuelson, "Physiological Roles of Prostaglandins and Other Eicosanoids in Invertebrates", Biol. Bull, Vol. 173, August 1987, pps. 92-109.		
	W	M.V. Bell et al, "The Role of Polyunsaturated Fatty Acids in Fish", Comp. Biochem. Physiol. Vol. 83B, No. 4, 1986, pps. 711-719.		
	X	Edward A. Dennis, "Diversity of Group Types, Regulation, and Function of Phospholipase A2", The Journal of Biological Chemistry, Vol. 269, No. 18, May 6, 1994, pps. 13057-13060.		
	Y	Christophe Creminon et al, "Differential measurement of constitutive (COX-1) and inducible (COX-2) cyclooxygenase expression in human umbilical vein endothelial cells using specific immunometric enzyme immunoassays", Biochimica et Biophysica Acta, Vol. 1254, 1995, pps. 341-348.		
	Z	Gary P. O'Neill et al, "Expression of mRNA for cyclooxygenase-1 and cyclooxygenase-2 in human tissues", Federation of European Biochemical Societies, Vol. 330, No. 2, September 1993, pps. 156-160.		
	AA	I. Kennedy et al, "Studies on the Characterisation of Prostanoid Receptors: A Proposed Classification", Prostaglandins, Vol. 24, No. 5, November 1982, pps. 667-689.		
	BB	David L. DeWitt et al, "Serum Glucocorticoid Regulation of Gene Transcription and Expression of the Prostaglandin H Synthase-1 and Prostaglandin H Synthase-2 Isozymes", Archives of Biochemistry and Biophysics" Vol. 306, No. 1, October 1993, pps. 94-102.		
	CC	P.J. Gardiner et al, "Leukotriene Receptors and Their Selective Antagonists", Advances in Prostaglandin, Thromboxane, and Leukotriene Research, Vol. 22, 1994, pps. 49-61.		
	DD	Ju-Lun Hong et al, "Cigarette smoke-induced bronchoconstriction: cholinergic mechanisms, tachykinins, and cyclooxygenase products", J Appl Physiol, Vol. 78, 1995, pps. 2260-2266.		

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	EE	Robert A. Coleman et al, "Classification of Prostanoid Receptors: Properties, Distribution, and Structure of the Receptors and Their Subtypes", Pharmacol rev., Vol. 46, No. 2, 1994, pps. 205-229.		
	FF	G.W. Taylor et al; "Measurements of Fatty Acids and Their Metabolites", Lipid Mediators, ed. Cunningham F.M., Academic Press, London, 1994, pps. 33-59.		
	GG	Richard J. Kulmacz et al, "Cyclo-oxygenase: measurement, purification and properties", Prostaglandins and related substances, eds. Benedetto C., McDonald-Gibson R.G., Nigam S., Slater T.F., Oxford University Press, Oxford, 1989, pps. 209-227.		
	HH	Tankred Schewe et al, "Lipoxygenases: measurement, characterization and properties", Prostaglandins and related substances, eds. Benedetto C., McDonald-Gibson R.G., Nigam S., Slater T.F., Oxford University Press, Oxford, 1989, pps. 229-242.		
	II	Jaime Vilaseca et al, "Participation of Thromboxane and Other Eicosanoid Synthesis in the Course of Experimental Inflammatory Colitis", Gastroenterology, Vol. 98, No. 2, 1990, pps. 269-277.		
	JJ	A.L. de Weck, "Cellular Allergen Stimulation Test (CAST) - A New Dimension in Allergy Diagnostics", Allergy Clin Immunol News, Vol. 5, 1993, pps. 9-14.		
	KK	H. W. Baenkler et al, "Eicosanoids from biopsy of normal and polypous nasal mucosa", Rhinology, Vol. 34, 1996, pps. 166-170.		
	LL	S.K. Sauer et al, "Stimulated Prostaglandin E2 Release From Rat Skin, In Vitro", Life Science, Vol. 62, No. 22, 1998, pps. 2045-2055.		
	MM	D. Schafer et al, "Dynamics of eicosanoids in peripheral blood cells during bronchial provocation in aspirin-intolerant asthmatics", European Respiratory Journal, Vol. 13, 1999, pps. 638-646.		
	NN	Jay Y. Westcott, "The Measurement of Leukotrienes in Human Fluids", Clinical Reviews in Allergy and Immunology, Vol. 17, 1999, pps. 153-177.		

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	OO	Phillip Greenspan et al, "Nile Red: A Selective Fluorescent Stain for Intracellular Lipid Droplets", The Journal of Cell Biology, Vol. 100, March 1985, pps. 965-973.			
	PP	Ann M. Dvorak et al, "Lipid Bodies: Cytoplasmic Organelles Important to Arachidonate Metabolism in Macrophages and Mast Cells", The Journal of Immunology, Vol. 131, No. 6, December 1983, pps. 2965-2976.			
	QQ	Peter F. Weller et al, "Arachidonic Acid Incorporation by Cytoplasmic Lipid Bodies of Human Eosinophils", Blood, Vol. 65, No. 5, May 1985, pps. 1269-1274.			
	RR	International Search Report, completed 19 September 2002 (4 pages).			

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